

Substitute for form 1449A PTO

**SUPPLEMENTAL  
INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT****Complete if Known**

Shee (use as many sheets as necessary) of 1

Application Number	09/784,358
Filing Date	Feb 15, 2001
First Named Inventor	Donoho, Gregory
Group Art Unit	1646
Examiner Name	Not Yet Assigned
Attorney Docket Number	LEX-0134-USA

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**U.S. PATENT DOCUMENTS**

Examiner Initials <sup>1</sup>	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials <sup>1</sup>	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>4</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
SS	BX	WO	94 13794	A	Brigham & Womens Hospital	06-23-1994		

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials <sup>1</sup>	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
SS	BY	DATABASE EM_HUM 'Online' EMBL, 11 November 1999, OHARA ET AL "Homo sapiens mRNA for KIAA1233 protein, partial cds" retrieved from EBI, accession no. AB033059, XP002176788	
SS	BZ	DATABASE SWALL 'Online' 1 May 2000, NAGASE ET AL "KIAA1233 PROTEIN (FRAGMENT)" retrieved from EBI, accession no. Q9ULI7, XP002176789	
SS	CA	NAGASE ET AL "Prediction of the coding sequences of unidentified human genes XV The complete sequences of 100 new cDNA clones from brain which code for large proteins in vitro" DNA RESEARCH, vol. 6, 1999, pages 337-345, XP000865804, gene number KIAA1233	
SS	CB	DATABASE EM_EST 'Online' EMBL, 5 January 1998, HILLIER ET AL "zj33e01 s1 Soares_fetal_liver_spleen_1NFLS_S1 Homo sapiens cDNA clone IMAGE: 452088 3' similar to TR P97857 P97857 SECRETORY PROTEIN CONTAINING THROMBOSPONDIN MOTIFS, MRNA sequence" retrieved from EBI, accession no. AA707140, XP002176790	
SS	CC	International Search Report, International Application No. PCT/US01/05290 (Attorney Docket Number LEX-0134-PCT)	

Examiner Signature		Date Considered	
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<b>Attorney Docket Number</b>	LEX-0134-USA

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		Number	Kind Code <sup>2</sup> (if known)			
JS	AA	4,215,051		Schroeder et al	07/29/80	
JS	AB	4,376,110		David et al	03/08/83	
JS	AC	4,594,595		Struckman	06/10/86	
JS	AD	4,631,211		Houghten	12/23/86	
JS	AE	4,689,405		Frank et al	08/25/87	
JS	AF	4,713,326		Dattagupta et al	12/15/87	
JS	AG	4,946,778		Ladner et al	08/07/90	
JS	AH	5,252,743		Barrett et al	10/12/93	
JS	AI	5,424,186		Fodor et al	06/13/95	
JS	AJ	5,445,934		Fodor et al	08/29/95	
JS	AK	5,459,127		Feigner et al	10/17/95	
JS	AL	5,556,752		Lockhart et al	03/17/96	
JS	AM	5,700,637		Southern	12/23/97	
JS	AN	5,744,305		Fodor et al	04/28/98	
JS	AO	5,869,336		Meyer et al	02/09/99	
JS	AP	5,877,397		Lonberg et al	03/02/99	
JS	AQ	5,948,767		Scheule et al	09/07/99	
JS	AR	6,075,181		Kucherlapati et al	06/13/00	
JS	AS	6,110,490		Thierry	08/29/00	
JS	AT	6,150,584		Kucherlapati et al	11/21/00	

[illegible]

Examiner  
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Date  
Considered

5/21/02

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Substitute for form 1449B-PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Application Number</b>	09-784-358
		<b>Filing Date</b>	February 15, 2001
		<b>First Named Inventor</b>	Donoho
		<b>Group Art Unit</b>	1646
		<b>Examiner Name</b>	To Be Assigned
<b>Sheet</b>	<b>2</b>	<b>of</b>	<b>3</b>
		<b>Attorney Docket Number</b>	LEX-0134-USA

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
SS	AU	Bird et al, 1988, "Single-Chain Antigen-Binding Proteins", Science 242:423-426.	
SS	AV	Bitter et al, 1987, "Expression and Secretion Vectors for Yeast", Methods in Enzymology 153:516-544.	
SS	AW	Colbere-Garapin et al, 1981, "A New Dominant Hybrid Selective Marker for Higher Eukaryotic Cells", J. Mol. Biol. 150:1-14.	
SS	AX	Gautier et al, 1987, "α-DNA IV: α-anomeric and β-anomeric tetrathymidylates covalently linked to intercalating oxazolopyridocarbazole. Synthesis, physicochemical properties and poly (rA) binding", Nucleic Acids Research 15(16):6625-6641.	
SS	AY	Greenspan et al, 1993, "Idiotypes: structure and immunogenicity", FASEB Journal 7:437-444.	
SS	AZ	Huse et al, 1989, "Generation of a Large Combinatorial Library of the Immunoglobulin Repertoire in Phage Lambda", Science 246:1275-1281.	
SS	BA	Huston et al, 1988, "Protein engineering of antibody binding sites: Recovery of specific activity in an anti-digoxin single-chain Fv analogue produced in Escherichia coli", Proc. Natl. Acad. Sci. USA 85:5879-5883.	
SS	BB	Inoue et al, 1987, "Sequence-dependent hydrolysis of RNA using modified oligonucleotide splints and R Nase H", FEBS Letters 215(2):327-330.	
SS	BC	Inoue et al, 1987, "Synthesis and hybridization studies on two complementary nona(2'-O-methyl)ribonucleotides", Nucleic Acids Research 15(15):6131-6149.	
SS	BD	Inouye & Inouye, 1985, "Up-promoter mutations in the lpp gene of Escherichia coli", Nucleic Acids Research 13(9):3101-3110.	
SS	BE	Janknecht et al, 1991, "Rapid and efficient purification of native histidine-tagged protein expressed by recombinant vaccinia virus", PNAS 88:8972-8976.	
SS	BF	Kohler & Milstein, 1975, "Continuous cultures of fused cells secreting antibody of predefined specificity", Nature 256:495-497.	
SS	BG	Logan et al, 1984, "Adenovirus tripartite leader sequence enhances translation of mRNAs late after infection", Proc. Natl. Acad. Sci. USA 81:3655-3659.	
SS	BH	Lowy et al, 1980, "Isolation of Transforming DNA: Cloning the Hamster apt Gene", Cell 22:817-823.	
SS	BI	Morrison et al, 1984, "Chimeric human antibody molecules: Mouse antigen-binding domains with human constant region domains", Proc. Natl. Acad. Sci. USA 81:6851-6855.	
SS	BJ	Mulligan & Berg, 1981, "Selection for animal cells that express the Escherichia coli gene coding for xanthine-guanine phosphoribosyltransferase", Proc. Natl. Acad. Sci. USA 78(4):2072-2076.	
	BK	<del>Nehls et al, 1994, "Exon amplification from complete libraries of genomic DNA using a novel phase vector with automatic plasmid excision facility: application to the mouse neurofibromatosis-1 locus", Oncogene 9:2169-2175.</del>	
SS	BL	Nisonoff, 1991, "Idiotypes: Concepts and Applications", J. of Immunology 147:2429-2438.	
SS	BM	O'Hare et al, 1981, "Transformation of mouse fibroblasts to methotrexate resistance by a recombinant plasmid expressing a prokaryotic dihydrofolate reductase", Proc. Natl. Acad. Sci. USA 78(3):1527-1531.	
SS	BN	Santerre et al, 1984, "Expression of prokaryotic genes for hygromycin B and G418 resistance as dominant-selection markers in mouse L cells", Gene 30:147-156.	
SS	BO	Sarin et al, 1988, "Inhibition of acquired immunodeficiency syndrome virus by oligodeoxynucleoside methylphosphonates", Proc. Natl. Acad. Sci. USA 85:7448-7451.	
SS	BP	Smith et al, 1983, "Molecular Engineering of the Autographa californica Nuclear Polyhedrosis Virus Genome: Deletion Mutations within the Polyhedrin Gene", J. Virol. 46(2):584-593.	
SS	BQ	Stein et al, 1988, "Physicochemical properties of phosphorothioate oligodeoxynucleotides", Nucleic Acids Research 16(8):3209-3221.	
SS	BR	Szybalska & Szybalski, 1962, "Genetics of Human Cell Lines. IV. DNA-Mediated Heritable Transformation of a Biochemical Trait", Proc. Natl. Acad. Sci. USA 48:2026-2034.	

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SS	BS	Takeda et al, 1985, "Construction of chimaeric processed immunoglobulin genes containing mouse variable and human constant region sequences", Nature 314:452-454.	
SS	BT	Van Heeke et al, 1989, "Expression of Human Asparagine Synthetase in Escherichia coli", J. Biol. Chemistry 264(10):5503-5509.	
SS	BU	Ward et al, 1989, "Binding activities of a repertoire of single immunoglobulin variable domains secreted from Escherichia coli", Nature 341:544-546.	
SS	BV	Wigler et al, 1977, "Transfer of Purified Herpes Virus Thymidine Kinase Gene to Cultured Mouse Cells", Cell 11:223-232.	
SS	BW	Wigler et al, 1980, "Transformation of mammalian cells with an amplifiable dominant-acting gene", Proc. Natl. Acad. Sci. USA 77(6):3567-3570.	

Examiner Signature		Date Considered	8/21/02
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